

Table 8. U.S. Renewable Energy Supply and Consumption (Quadrillion Btu)

Energy Information Administration/Short-Term Energy Outlook - April 2011

	2010				2011				2012				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2010	2011	2012
Supply															
Hydroelectric Power (a)	0.618	0.713	0.593	0.585	0.712	0.807	0.640	0.559	0.644	0.767	0.608	0.583	2.509	2.718	2.602
Geothermal	0.096	0.095	0.095	0.097	0.098	0.096	0.099	0.098	0.098	0.096	0.099	0.098	0.383	0.391	0.391
Solar	0.026	0.030	0.030	0.027	0.027	0.030	0.031	0.027	0.028	0.032	0.033	0.028	0.113	0.115	0.120
Wind	0.208	0.261	0.200	0.263	0.269	0.318	0.252	0.271	0.311	0.380	0.316	0.347	0.933	1.110	1.354
Wood	0.478	0.478	0.496	0.484	0.478	0.466	0.493	0.485	0.491	0.474	0.502	0.494	1.936	1.921	1.961
Ethanol (b)	0.267	0.274	0.284	0.298	0.290	0.297	0.300	0.300	0.298	0.299	0.303	0.303	1.122	1.186	1.204
Biodiesel (b)	0.013	0.011	0.009	0.007	0.019	0.023	0.026	0.027	0.026	0.026	0.027	0.028	0.040	0.094	0.107
Other Renewables	0.108	0.113	0.112	0.113	0.107	0.116	0.120	0.116	0.111	0.120	0.124	0.119	0.447	0.459	0.473
Total	1.814	1.975	1.820	1.874	2.002	2.152	1.959	1.884	2.007	2.193	2.012	1.999	7.483	7.998	8.211
Consumption															
Electric Power Sector															
Hydroelectric Power (a)	0.618	0.715	0.596	0.587	0.707	0.802	0.637	0.556	0.638	0.761	0.606	0.579	2.516	2.701	2.585
Geothermal	0.082	0.082	0.082	0.083	0.085	0.082	0.085	0.085	0.085	0.082	0.085	0.085	0.329	0.337	0.337
Solar	0.001	0.005	0.005	0.002	0.002	0.005	0.005	0.002	0.002	0.007	0.007	0.003	0.013	0.014	0.019
Wind	0.208	0.261	0.200	0.263	0.269	0.318	0.252	0.271	0.311	0.380	0.316	0.347	0.933	1.110	1.354
Wood	0.048	0.044	0.049	0.046	0.045	0.040	0.047	0.045	0.046	0.042	0.051	0.048	0.189	0.176	0.188
Other Renewables	0.060	0.064	0.063	0.064	0.061	0.066	0.069	0.067	0.067	0.069	0.072	0.069	0.252	0.263	0.276
Subtotal	1.019	1.171	0.996	1.045	1.168	1.313	1.095	1.026	1.149	1.341	1.137	1.131	4.231	4.601	4.758
Industrial Sector															
Hydroelectric Power (a)	0.005	0.005	0.003	0.003	0.005	0.005	0.003	0.004	0.005	0.005	0.003	0.004	0.016	0.016	0.016
Geothermal	0.001	0.004	0.004	0.004											
Wood and Wood Waste	0.306	0.309	0.320	0.311	0.306	0.300	0.320	0.315	0.317	0.306	0.324	0.320	1.246	1.241	1.267
Other Renewables	0.040	0.040	0.040	0.041	0.036	0.041	0.042	0.041	0.037	0.042	0.043	0.041	0.161	0.160	0.164
Subtotal	0.355	0.359	0.368	0.361	0.352	0.351	0.370	0.365	0.364	0.358	0.375	0.370	1.443	1.438	1.468
Commercial Sector															
Hydroelectric Power (a)	0.000	0.001	0.001	0.001											
Geothermal	0.004	0.017	0.017	0.017											
Wood and Wood Waste	0.018	0.018	0.018	0.018	0.019	0.018	0.018	0.018	0.020	0.018	0.019	0.018	0.072	0.073	0.074
Other Renewables	0.008	0.009	0.008	0.008	0.008	0.009	0.008	0.008	0.008	0.009	0.009	0.008	0.034	0.033	0.033
Subtotal	0.031	0.033	0.032	0.032	0.032	0.032	0.032	0.032	0.033	0.032	0.033	0.032	0.127	0.128	0.129
Residential Sector															
Geothermal	0.008	0.033	0.033	0.033											
Biomass	0.106	0.107	0.108	0.430	0.432	0.432									
Solar	0.025	0.101	0.101	0.101											
Subtotal	0.139	0.140	0.142	0.142	0.141	0.142	0.141	0.141	0.142	0.142	0.142	0.142	0.563	0.566	0.566
Transportation Sector															
Ethanol (b)	0.256	0.278	0.288	0.296	0.268	0.295	0.299	0.300	0.291	0.300	0.302	0.304	1.118	1.162	1.196
Biodiesel (b)	0.012	0.010	0.010	0.008	0.018	0.022	0.024	0.025	0.026	0.026	0.027	0.027	0.040	0.089	0.106
Total Consumption	1.803	1.979	1.825	1.873	1.994	2.149	1.957	1.883	1.999	2.194	2.010	2.000	7.479	7.983	8.203

- = no data available

(a) Conventional hydroelectric power only. Hydroelectricity generated by pumped storage is not included in renewable energy.

(b) Fuel ethanol and biodiesel supply represents domestic production only. Fuel ethanol and biodiesel consumption in the transportation sector includes production, stock change, and imports less exports. Some biodiesel may be consumed in the residential s

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.**Historical data:** Latest data available from EIA databases supporting the following reports: *Electric Power Monthly*, DOE/EIA-0226 and *Renewable Energy Annual*, DOE/EIA-0603; *Petroleum Supply Monthly*, DOE/EIA-0109.

Minor discrepancies with published historical data are due to independent rounding.

Projections: Generated by simulation of the EIA Regional Short-Term Energy Model.